



IFW16

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/771,009B

DATE: 08/13/2004

TIME: 12:04:23

Input Set : A:\60-017200US sequence listing.txt

Output Set: N:\CRF4\08132004\I771009B.raw

4 <110> APPLICANT: HOLZBERG, STEVEN P.
 5 POGUE, GREGORY P.
 7 <120> TITLE OF INVENTION: CYTOPLASMIC INHIBITION OF GENE
 8 EXPRESSION AND EXPRESSION OF A FOREIGN PROTEIN IN A MONOCOT
 9 PLANT BY A PLANT VIRAL VECTOR
 11 <130> FILE REFERENCE: 60-017200US
 13 <140> CURRENT APPLICATION NUMBER: 09/771,009B
 14 <141> CURRENT FILING DATE: 2001-01-25
 16 <160> NUMBER OF SEQ ID NOS: 74
 18 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 20 <210> SEQ ID NO: 1
 21 <211> LENGTH: 17
 22 <212> TYPE: PRT
 23 <213> ORGANISM: Coxsackie virus
 25 <400> SEQUENCE: 1
 26 Asn Phe Asp Leu Leu Lys Leu Ala Gly Asp Val Glu Ser Asn Pro Gly
 27 1 5 10 15
 28 Pro
 31 <210> SEQ ID NO: 2
 32 <211> LENGTH: 20
 33 <212> TYPE: PRT
 34 <213> ORGANISM: Coxsackie virus
 36 <400> SEQUENCE: 2
 37 Gln Leu Leu Asn Phe Asp Leu Leu Lys Leu Ala Gly Asp Val Glu Ser
 38 1 5 10 15
 39 Asn Leu Gly Pro
 40 20
 42 <210> SEQ ID NO: 3
 43 <211> LENGTH: 20
 44 <212> TYPE: PRT
 45 <213> ORGANISM: Coxsackie virus
 47 <400> SEQUENCE: 3
 48 Gln Leu Leu Asn Phe Asp Leu Leu Lys Leu Ala Gly Asp Val Glu Ser
 49 1 5 10 15
 50 Asn Pro Arg Pro
 51 20
 53 <210> SEQ ID NO: 4
 54 <211> LENGTH: 20
 55 <212> TYPE: PRT
 56 <213> ORGANISM: Coxsackie virus
 58 <400> SEQUENCE: 4
 59 Gln Leu Leu Asn Phe Asp Leu Leu Lys Leu Ala Gly Asp Val Glu Ser
 60 1 5 10 15

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61 Asn Pro Gly Pro
62 20
64 <210> SEQ ID NO: 5
65 <211> LENGTH: 20
66 <212> TYPE: PRT
67 <213> ORGANISM: Coxsackie virus
69 <400> SEQUENCE: 5
70 Gln Thr Leu Asn Phe Asp Leu Leu Lys Leu Ala Gly Asp Val Glu Ser
71 1 5 10 15
72 Asn Pro Gly Pro
73 20
75 <210> SEQ ID NO: 6
76 <211> LENGTH: 20
77 <212> TYPE: PRT
78 <213> ORGANISM: Coxsackie virus
80 <400> SEQUENCE: 6
81 Gln Leu Leu Asn Phe Asp Leu Leu Lys Leu Ala Gly Asp Val Glu Ser
82 1 5 10 15
83 Asn Pro Gly Pro
84 20
86 <210> SEQ ID NO: 7
87 <211> LENGTH: 20
88 <212> TYPE: PRT
89 <213> ORGANISM: Coxsackie virus
91 <400> SEQUENCE: 7
92 His Tyr Ala Gly Tyr Phe Ala Asp Leu Leu Ile His Asp Ile Glu Thr
93 1 5 10 15
94 Asn Pro Gly Pro
95 20
97 <210> SEQ ID NO: 8
98 <211> LENGTH: 20
99 <212> TYPE: PRT
100 <213> ORGANISM: Coxsackie virus
102 <400> SEQUENCE: 8
103 His Tyr Ala Gly Tyr Phe Ser Asp Leu Leu Ile His Asp Val Glu Thr
104 1 5 10 15
105 Asn Pro Gly Pro
106 20
108 <210> SEQ ID NO: 9
109 <211> LENGTH: 20
110 <212> TYPE: PRT
111 <213> ORGANISM: Coxsackie virus
113 <400> SEQUENCE: 9
114 Tyr His Ala Asp Tyr Tyr Lys Gln Arg Leu Ile His Asp Val Glu Met
115 1 5 10 15
116 Asn Pro Gly Pro
117 20
119 <210> SEQ ID NO: 10
120 <211> LENGTH: 19

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Input Set : A:\60-017200US sequence listing.txt
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121 <212> TYPE: PRT
 122 <213> ORGANISM: Coxsackie virus
 124 <400> SEQUENCE: 10
 125 Gln Leu Leu Asn Phe Asp Leu Leu Lys Leu Ala Gly Asp Val Glu Ser
 126 1 5 10 15
 127 Asn Pro Gly
 130 <210> SEQ ID NO: 11
 131 <211> LENGTH: 28
 132 <212> TYPE: DNA
 133 <213> ORGANISM: Barley stripe mosaic virus
 135 <400> SEQUENCE: 11
 136 cttcttccgt tgcttagctaa aaaaaaaaaa 28
 138 <210> SEQ ID NO: 12
 139 <211> LENGTH: 21
 140 <212> TYPE: DNA
 141 <213> ORGANISM: Barley stripe mosaic virus
 143 <400> SEQUENCE: 12
 144 agttacttct tgaatttctc c 21
 146 <210> SEQ ID NO: 13
 147 <211> LENGTH: 39
 148 <212> TYPE: DNA
 149 <213> ORGANISM: Barley stripe mosaic virus
 151 <400> SEQUENCE: 13
 152 tatagcgcgc atttaaattt gtcttccctt gggggaccg 39
 154 <210> SEQ ID NO: 14
 155 <211> LENGTH: 49
 156 <212> TYPE: DNA
 157 <213> ORGANISM: Saccharomyces cerevisiae
 159 <400> SEQUENCE: 14
 160 tatgcttagct gattaattaa gtcgacgagc tgatttaaca aatttttaac 49
 162 <210> SEQ ID NO: 15
 163 <211> LENGTH: 44
 164 <212> TYPE: DNA
 165 <213> ORGANISM: Saccharomyces cerevisiae
 167 <400> SEQUENCE: 15
 168 tatgcttagct gagcggccgc gcacgtgtca gtcctgtcc tcgg 44
 170 <210> SEQ ID NO: 16
 171 <211> LENGTH: 46
 172 <212> TYPE: DNA
 173 <213> ORGANISM: Barley stripe mosaic virus
 175 <400> SEQUENCE: 16
 176 tatactagtt taattaagtc gaccatggct agcaaaggag aagaac 46
 178 <210> SEQ ID NO: 17
 179 <211> LENGTH: 44
 180 <212> TYPE: DNA
 181 <213> ORGANISM: Barley stripe mosaic virus
 183 <400> SEQUENCE: 17
 184 tatactagtt gagcggccgc ttattttagt agctcatcca tgcc 44
 186 <210> SEQ ID NO: 18

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Input Set : A:\60-017200US sequence listing.txt
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187 <211> LENGTH: 43
188 <212> TYPE: DNA
189 <213> ORGANISM: Barley stripe mosaic
191 <400> SEQUENCE: 18
192 tatagagctc tacaatcta gaatggctac tttctttgt gtg 43
194 <210> SEQ ID NO: 19
195 <211> LENGTH: 21
196 <212> TYPE: DNA
197 <213> ORGANISM: Barley stripe mosaic virus
199 <400> SEQUENCE: 19
200 agagtccgtt aagattcatg g 21
202 <210> SEQ ID NO: 20
203 <211> LENGTH: 30
204 <212> TYPE: DNA
205 <213> ORGANISM: Tobacco mosaic virus
207 <400> SEQUENCE: 20
208 cattaattaa gatgatggct agcaaaggag 30
210 <210> SEQ ID NO: 21
211 <211> LENGTH: 112
212 <212> TYPE: DNA
213 <213> ORGANISM: Tobacco mosaic virus
215 <400> SEQUENCE: 21
216 atatctagac cttaggaccag gtttagattc cacgtcaccc gccaacttca gcaaatcaaa 60
217 attcaacago tggttttaga gctcagcggc cgccttgtat agctcatcca tg 112
219 <210> SEQ ID NO: 22
220 <211> LENGTH: 98
221 <212> TYPE: DNA
222 <213> ORGANISM: Tobacco mosaic virus
224 <400> SEQUENCE: 22
225 tatactagtc agctgtgaa tttttagttt ctgaagttgg cgggtgacgt ggaatcta 60
226 cctggtcctg tcgacaaagg agaagaactt ttcactgg 98
228 <210> SEQ ID NO: 23
229 <211> LENGTH: 49
230 <212> TYPE: DNA
231 <213> ORGANISM: Tobacco mosaic virus
233 <400> SEQUENCE: 23
234 tatgctagcg atcaattagc ggcgcattt ttgttagagct catccatgc 49
236 <210> SEQ ID NO: 24
237 <211> LENGTH: 39
238 <212> TYPE: DNA
239 <213> ORGANISM: Homo sapiens
241 <400> SEQUENCE: 24
242 ggccgcattt ccgtatgatg ttccggatta tgccgagct 39
244 <210> SEQ ID NO: 25
245 <211> LENGTH: 31
246 <212> TYPE: DNA
247 <213> ORGANISM: Homo sapiens
249 <400> SEQUENCE: 25
250 cggcataatc cggaacatca tacggataag c 31

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Input Set : A:\60-017200US sequence listing.txt
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252 <210> SEQ ID NO: 26
 253 <211> LENGTH: 42
 254 <212> TYPE: DNA
 255 <213> ORGANISM: Chicken
 257 <400> SEQUENCE: 26
 258 ggccgctgaa caaaaagctta tctctgagga agatcttgag ct 42
 260 <210> SEQ ID NO: 27
 261 <211> LENGTH: 34
 262 <212> TYPE: DNA
 263 <213> ORGANISM: Chicken
 265 <400> SEQUENCE: 27
 266 caagatcttc ctcagagata agctttgtt cagc 34
 268 <210> SEQ ID NO: 28
 269 <211> LENGTH: 39
 270 <212> TYPE: DNA
 271 <213> ORGANISM: Cnidaria
 273 <400> SEQUENCE: 28
 274 ggccgctcat catcaccatc accatcacca tcacgagct 39
 276 <210> SEQ ID NO: 29
 277 <211> LENGTH: 31
 278 <212> TYPE: DNA
 279 <213> ORGANISM: Cnidaria
 281 <400> SEQUENCE: 29
 282 cgtgatggtg atggtgatgg tgatgtatgg c 31
 284 <210> SEQ ID NO: 30
 285 <211> LENGTH: 32
 286 <212> TYPE: DNA
 287 <213> ORGANISM: Brome mosaic virus
 289 <400> SEQUENCE: 30
 290 tatttaatta agatgtcgac ttcaggaact gg 32
 292 <210> SEQ ID NO: 31
 293 <211> LENGTH: 30
 294 <212> TYPE: DNA
 295 <213> ORGANISM: Brome mosaic virus
 297 <400> SEQUENCE: 31
 298 tatgcccccg ccctataaaag cgggggtgaag 30
 300 <210> SEQ ID NO: 32
 301 <211> LENGTH: 33
 302 <212> TYPE: DNA
 303 <213> ORGANISM: Chicken
 305 <400> SEQUENCE: 32
 306 tatttaatta agatgacttg ccagacttac aac 33
 308 <210> SEQ ID NO: 33
 309 <211> LENGTH: 31
 310 <212> TYPE: DNA
 311 <213> ORGANISM: Chicken
 313 <400> SEQUENCE: 33
 314 tatgcccccg cgcaattgca tctcctctga g 31
 316 <210> SEQ ID NO: 34

VERIFICATION SUMMARY

PATENT APPLICATION: **US/09/771,009B**

DATE: 08/13/2004

TIME: 12:04:24

Input Set : **A:\60-017200US sequence listing.txt**
Output Set: **N:\CRF4\08132004\I771009B.raw**